CLAIMS

- 1. A method for providing a detergent-free washing function,
- 5 which comprises subjecting a fiber or a fiber product to hydrophilization treatment.
 - 2. The method for providing a detergent-free washing function according to Claim 1,
- wherein the hydrophilization treatment is carried out by at least one method selected from a group consisting of a method for introducing a hydrophilic group, a method for introducing a hydrophilic molecule, a method for improving the surface physically, and a method for applying a coating agent containing a hydrophilic substance.
 - 3. The method for providing a detergent-free washing function according to Claim 1 or 2,
- wherein the fiber or fiber product contains at least 20 a cellulose fiber, and the moisture absorption ratio of the cellulose fiber is adjusted to be 7.1% or higher by the hydrophilization treatment.
- 4. The method for providing a detergent-free washing25 function according to Claim 3,

wherein a carboxyl group is introduced into the cellulose fiber by carboxymethylation.

5. The method for providing a detergent-free washing function according to Claim 4,

wherein the cellulose fiber is brought into contact with a treatment solution containing an alkali metal hydroxide in a concentration of 20 to 100 g/L, monochloroacetic acid or a monochloroacetic acid alkali metal salt in a concentration of 100 to 400 g/L at 10 to $\frac{1}{2}$

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40°C for 6 to 48 hours.

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- 6. The method for providing a detergent-free washing function according to Claim 4 or 5,
- 5 wherein the carboxymethylation degree is adjusted to be 0.1 to 10% by mole.
 - 7. The method for providing a detergent-free washing function according to Claim 3,
- wherein graft polymerization to the cellulose fiber is carried out using at least one kind of monomer selected from a group consisting of methacrylamide, hydroxyethyl acrylate, acrylic acid, and methacrylic acid.
- 8. The method for providing a detergent-free washing function according to Claim 7, wherein the grafting ratio is adjusted to be 1 to 20%.
- A fiber product capable of washing without using
 a detergent,

which contains a fiber subjected to hydrophilization treatment.

10. The fiber product capable of washing without using a detergent according to Claim 9,

wherein the hydrophilization treatment is carried out by at least one method selected from a group consisting of a method for introducing a hydrophilic group, a method for introducing a hydrophilic molecule, a method for improving the surface physically, and a method for applying a coating agent containing a hydrophilic substance.

- 11. The fiber product capable of washing without using a detergent according to Claim 9 or 10,
- wherein the fiber subjected to the hydrophilization

treatment is a cellulose fiber having a moisture absorption ratio of 7.1% or higher subjected to the hydrophilization treatment.

5 12. The fiber product capable of washing without using a detergent according to Claim 11,

wherein the cellulose fiber subjected to the hydrophilization treatment is a carboxymethylated cellulose fiber.

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13. The fiber product capable of washing without using a detergent according to Claim 12,

wherein the cellulose fiber subjected to the hydrophilization treatment is obtainable by bringing a cellulose fiber into contact with a treatment solution containing an alkali metal hydroxide in a concentration of 20 to 100 g/L, monochloroacetic acid or a monochloroacetic acid alkali metal salt in a concentration of 100 to 400 g/L at 10 to 40°C for 6 to 48 hours.

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14. The fiber product capable of washing without using a detergent according to Claim 12 or 13,

wherein the carboxymethylated cellulose fiber has a carboxymethylation degree of 0.1 to 10% by mole.

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15. The fiber product capable of washing without using a detergent according to Claim 11,

wherein the cellulose fiber subjected to the hydrophilization treatment is a cellulose fiber grafted by at least one kind of monomer selected from a group consisting of methacrylamide, hydroxyethyl acrylate, acrylic acid, and methacrylic acid.

16. The fiber product capable of washing without 35 using a detergent according to Claim 15,

wherein the grafted cellulose fiber has a grafting ratio of 1 to 20%.